

Isomorphism of the Type $AlIII_B^V$ Compounds, by
W. Boster and W. Ulrich, 7 pp.

GERMAN, per, Zeitschrift fur Metallkunde, Vol. XLIX,
Vol. XLIX, No 7, 1958, pp 365-367. 9201293

A.C.S.I.L. Tr No 1264

Sci - Chem
Feb 63

222,561

Manganese Aluminium System, by W. Koster,
W. Bechthold.

GERMAN, per, Z fuer Metallkunde, 1938,
pp 294-296.

CR

CSIRO/No 6102

Sci-Materials & Metallurgy
May 63

229,856

Köster, W. and Hofmann, G.

RESISTOMETRIC INVESTIGATION OF THE INFLUENCE OF LATTICE DEFECTS ON THE COLD AGEING OF Al-Zn ALLOYS. [1961] [29]p. 22 refs. FRI Trans. no. 159.

Order from S.L.A. \$2.60

61-18843

Trans. of Z[schrift für] Metallkunde (West Germany) 1960, v. 51, no. 6, p. 303-313.

DESCRIPTORS: *Aluminum alloys, *Zinc alloys, Lattices, Aging, Temperature, Resistance, Impurities

The variations in electrical resistivity in the initial stages of the cold ageing of Al-Zn alloys with between 8 and 30% Zn were investigated as a function of the homogenising and ageing temperatures. The quenching rate was 200°/sec. With increasing homogenising temperature up to about 400°C, the hardening rate was (Metallurgy, T.J., v. 6, no. 12) (over)

61-18843

I. Köster, W.
II. Hofmann, G.
III. FRI-Trans-159
IV. Fulmer Research Inst.,
Ltd. (Gt. Brit.)

Office of Technical Services

The Influence of Lead Upon the Modulus of
Elasticity and Upon Damping of Copper, Silver,
Brass, by Koster, Werner and Bangert, Lothar,
9 pp.

GERMAN, per, Zeit fur Metallkunde, Vol XLII,
No 10, 1951, pp 391-394.

OTS 60-16481

Sci

188, 926

30 Mar 62

The Size of Particles of Iron Nitride Precipitated
From a Carbon and Nitrogen Supernaturated Iron,
by W. Koster, L. Bangert. UNCL

GERMAN, per, Arch Eisenhuettenwesen, No 5/6,
1954, pp 231-240.

British Iron and Steel Ind
(no number given)

Sol - Min/Mat
Sep 59

98,237

Damping Behavior of Titanium Containing
~~Hydrogen~~ Hydrogen, by W. Koster, L. Bangert,
and M. Evers, 13 pp.

RUSSIAN, per, Z. Metall, Vol XLVII, No 8,
1956, pp 564-570.

Assoc Tech Serv
52J183

Sci
Aug 58

72,134

Köster, W.

ON A SPECIAL PHENOMENON IN THE TEMPERATURE COURSE OF THE MODULUS OF ELASTICITY AND DAMPING OF METALS SUCH AS Cu, Ag, Al AND Mg. 3 Mar 49, 5p. (figs. tables refs. omitted).
Order from SLA \$1.10

62-18403

Trans. of Zeitschrift [Jr] Metallkunde (West Germany) 1948, v. 39 [no. 1] p. 9-12.

DESCRIPTORS: *Magnesium, *Aluminum, *Silver, *Copper, *Damping, *Elasticity, Temperature.

The temperature dependence of the modulus of elasticity and the damping of Cu, Ag, Al and Mg were determined. These four metals show, over an extensive temperature range, an unexpected lowering of the modulus of elasticity and an increase of damping. The height at which the bulge of the curve occurs depends on the degree of purity of the metals. The phenomenon is therefore due to (Metallurgy, TT, v. 9, no. 3) (over)

62-18403

I. Köster, W.

C227561

Office of Technical Services

Koster, W. and Hagmann, D.
SOLID SOLUTIONS OF PALLADIUM AND NEIGH-
BORING ELEMENTS IN THE PERIODIC SYSTEM.
Pt. 10 of Conductivity and Hall Constant. [1962] 11p.
Order from ATS \$21.80 ATS-53P59G

Trans. of Zeitschrift für Metallkunde (West
Germany) 1961, v. 52, no. 11, p. 721-727.

DESCRIPTORS: Palladium, Solids, Solutions, Chem-
ical elements, Conductivity.

(Metallurgy--Nonferrous Metals, TT, v. 8, no. 4)

62-17162

I. Koster, W.
II. Hagmann, D.
III. Title: Conductivity...
IV. ATS-53P59G
V. Associated Technical
Services, Inc.,
East Orange, N. J.

(22215)

Office of Technical Services

62-18402

1. Köster, W.

Köster, W.
ELASTICITY MODULUS OF PURE METALS AS A
FUNCTION OF THE TEMPERATURE. 18 Feb 49, 10p.
(figs. tables, refs. omitted).
Order from SLA \$1.10

62-18402

Trans. of Zfets(chrift) f(ur) Metallkunde (West
Germany) 1948 [v. 39, no. 1] p. 1-9.

DESCRIPTORS: Temperature, *Metals, *Elasticity,
Melting, Measurement, Vibration mechanisms.

The modulus of elasticity and its temperature depend-
ence were measured for 32 very pure metals from
-180° up to the melting point or up to about 1000° with
the aid of the determination of the natural frequency of
transversely vibrating bars.

(Metallurgy, IT, v. 9, no. 3)

C227560

Office of Technical Services

On the Effect of Annealing on Electrolytic Nickel,
by W. Koster, 13 pp.

RUSSIAN, per, Z Metallkunde, Vol XXXI, No 6, 1939,
pp 168-170.

SLA 57-722

Sci - Minerals/Metals
Oct 57

54,257

Observations on the Change in State that
Leads to the 475° Embrittlement of Iron-
Chromium Alloys, by W. Koster, and von
Kienlin, A., 29 pp.

GERMAN, per, Arch Eisenhüttenw, Vol XXVII,
No 12, Dec 1956, pp 793-799. ~~29 pp.~~

SLA 2534

Sci

Aug 58

69, 880

Contribution to the Problem of Cold and Hot Hardening
on the Basis of Thermoelectric Investigations, by
A. Durer, W. Koster.

GERMAN, per, Z fuer Metallkunde, Vol XXX, No 9,
1938, pp 311-319.

TIL T 5036

Sci - Engr

137,373

Jan 61

The Iron-Cobalt-Tantalum System, by W. Koster,
H. Becker.

GERMAN, Archiv fur das Eisenhüttenwesen, Vol XIII,
1939-1940, pp 93, 94.

Brutcher Tr No 1633

Scientific - Min/Metals

\$2.80

13,957

KOSTER, W.

Archiv Eisenhüttenwesen, vol. 3, No. 10, 21
figures, 9 tables, 9900 words; 1930.

On the Problem of Nitrogen in Technical
Steel. Part I

Brutcher, Trans. Order No. 2098, \$14.85

A. 5945

A New Method of Measurement for Young's Modulus and
Damping, by F. Forster, W. Koster

GERMAN, per, Zeitschrift fur Metallkunde, Vol XXIX,
pp 109-115. 115-123.

Brutcher Tr 460

Scientific - Minerals/Metals
CTS/DEK

Price \$2.50

9573
~~4866~~

Effect of Pore Particle Size Upon Behavior of
Sintered Iron in Nitriding, by W. Koester, J.
Raffelsieper

GERMAN, per, Archiv Eisenhüttenwesen, Vol XXIII,
No 5-6, 1952, pp 225-228.

Brutcher Tr 3093

Scientific - Minerals/Metals
CTB/DEK Price \$6.40

8519

Modulus of Elasticity and Damping of Iron and Iron
Alloys, by W. Koster, 28 pp.

GERMAN, par. Arch Eisenhüttenwesen, Vol XIV, 1948,
pp 271-278. (Loan Copy Only).

SLA 57-3019

Sci

AUG 58

71,438

HOSTER, W.

Archiv Eisenhüttenwesen, vol. 7, 2 diagrams, 600-
word abstract; 1934.

The System Iron-Nickel-Molybdenum.

Butcher Trans, Order No. 321, \$1.20.

A 5939

KOSTER, W.

Archiv Eisenhüttenwesen, vol. 7, 7 figures, 1300 words;
1934.

Iron End of Iron-Manganese-Chromium Constitution
Diagram.

Butcher Trans, Order No. 651, \$1.20.

A 59 40

Change in Properties During the Hardening of a
Copper Chromium Alloy, by W. Koster, W. Knorr.

GERMAN, per, Z fuer Metallkunde, Vol XLV, No 6,
1954, pp 350-356.

TII. T.4800

Sci - Min/Met

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Aug 57

Velocity of Action of Oxygen, Hydrogen Sulfide
and Halogens on Metals, by G. ~~Wilmanns~~ and W. Koster,
21 pp. ^T

Full translation.

GERMAN, per, Zeitschrift fuer anorganische und
allgemeine Chemie, Vol CXXIII, Aug 1922, pp 196-201,
208, 224.

NACA TM 1339

Sci - Minerals/Metals

A-5441

Aug 52 (78)

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On the Recovery of the Internal Friction of Brass
Immediately After Deformation, by W. Koster, E.
Stolte.

GERMAN, per, Z. Metallkunde, Vol XLV, 1954, pp
356-365.

ASLIB-GB33

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Aug 59

95, 704

KOSTER, W.

ZEITSCHRIFT METALLKUNDE, vol 25, 1933

The Ternary System Cobalt-Chromium-Tungsten.

Brutcher #1332, \$6.85

A-5942

61-14738

Koster, W.
A CONTRIBUTION TO THE SCIENCE OF MICROPIA
AND MACROPIA (Zur Kenntniss der Mikropie und
Makropie). [1961] 40p. 7 refs.
Available on loan from SLA 61-14738

Trans. of Albrecht v[on] Graefe's Archiv f[ür]
Ophthalm[ologie] (Germany) 1896, v. 42, p. 134-178.

DESCRIPTORS: *Visual perception, *Eye, *Retina,
*Optics, Ophthalmology, Brightness, *Vision, *Optical
images, Focusing.

1. Title: Micropsia
2. Title: Macropsia
1. Koster, W.

Office of Technical Services

(Unannounced)

KOSTER, W.

Zeitschrift Metallkunde, vol. 38, No. 5, 500
words: 1944.

Danger Of Explosion in Electrolytic Polishing
with Perchloric Acid Solutions.

Erutcher Trans., Order No. 1932, \$1.20

A 5943

KOSTER, W.
~~TOMM, W.~~

The Iron Corner of the System Iron-Manganese-Alumi-
num.

ARCHIV EISENHUTTENWESEN, vol 7, 1933-4,
pp 365-6; 1000 words.

SA 60-10067

Brutcher No 1995, \$ 1.75

A. 5944

Conductivity and Hall Constant: II. The Solid
Solution Series $\text{Co}_3\text{V} - \text{Ni}_3\text{V}$, by Werner Koster,
Franz Sperner, 15 pp.
GERMAN, per, Z. Metallkde., Vol 48(10), 1957,
pp 544-549.
AEC/GENL/Tr-2019-68

Werner Koster

Sci/Materials
Feb 69

374,241

The Ternary System Cobalt-Nickel-Vanadium, by
Werner Koster, Franz Spörner, 9 pp.
GERMAN, per. Z. Metall. Vol 48(10), 1957,
pp 540-543.
AEC/DRIIL/Tr-2018-68

76

Werner Koster

Sci/Material
Feb 69

374,238

The Question of Nitrogen in Technical Iron,
III. Precipitation (Separation) of N_2 and
C From Alpha-Iron as an Example of the
Decomposition of a Solid Solution Supersaturated
With Both Components, by Werner Koster, 7 p.

GERMAN, per, Arch fur Eisenhuten, 1930,
Vol IV, No 3, pp 145-150.

SLA 59-20228

Sci
Mar 60
Vol 2, No 11

109,646

The System Iron-Cobalt-Tungsten, by Werner Koster,
Willi Tonn, 13 p.

GERMAN, per, Arch fur das Eisenhutenwesen, 1932,
Vol V, No 8, pp 431-440.

SLA 59-20229

Sci
Mar 60
Vol 2, No 11

109643

Hardening of Gold-Nickel Alloys, by Werner Koster;
Walter Dannohl, 10 p.

GERMAN, per, Zeit fur Metallkunde, 1936, Vol XXVIII,
No 9, pp 248-253.

SLA 59-20234

Sci
Mar 60
Vol 2, No 11

109,642

The Cobalt Corner of the Iron-Cobalt-Vanadium
System, by Werner Koster, Karl Lang, 4 p.

GERMAN, per, Zeit fur Metallkunde, 1938, Vol XXX,
No 9, pp 350-352.

SLA 59-20232

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Mar 60
Vol 2, No 11

109,641

Concerning the Synthesis and the Volume Changes
of Zinc-Copper-Aluminum Alloys III. Survey
of the Course of Equilibrium in the Copper-
Aluminum-Zinc System, by Werner Koster, 26 p.

GERMAN, per, Zeit fur Metallkunde, 1941, Vol
Vol XXXIII, No 8/9, pp 289-296.

SLA 59-17830

Sci
Feb 60
Vol 2, No 10

108,912

Permanent Magnet Materials with Respect to
Precipitation Hardening, by Werner Koster, 1953.

GERMAN, per. Stahl und Eisen, 1953, Vol LXXI,
No 33, pp 849-856.

SLA 59-20224

109,234

See
Mar 60
Vol 2, No 12

The System Iron-Nickel-Molybdenum, by Werner Koster.
5 p.

GERMAN, per, Arch fur das Eisenhuttewesen, 1934,
Vol VIII, No 4, pp 169-171.

SLA 59-20055

Sci
Mar 60
Vol 2, No 12

109,243

The Relationships of Magnetic Properties,
Especially the Coercive Force to the Structure
of the Alloys and the Development of New Types
of Magnet Alloys, by Werner Roster, 6 p.

GERMAN, per, Z fur Elektrochemie, 1932,
Vol XXXVIII, No 8 a, pp 549-553.

SLA 59-15816

Sci
Jan 60
Vol 2, No 5

104,612

Relations Between the Modulus of Elasticity of
Binary Alloys and Their Structure, by Werner Koster,
Walter Rauscher, 49 pp.

GERMAN, per, Zeitschrift fuer Metallkunde, Vol XXXIX,
1948, pp 111 - 120.

NACA TM 1321

Scientific - Engineering

December 1951 CTS

A. 5946

Nonmetallic Inclusions in 13-Ton Rimmed
Steel Ingots, by L. B. Kostarev, G.E.
Oils.

RUSSIAN, per, Is Vysshikh Ucheb Zaved,
Chern Metal, No 11, 1961, pp 45-56.

HB 5470

Sol - Min/Met
Jun 62

199, 391

Segregation of Elements During the Solidification of 18-Ton Rimming Steel Ingots,
by L. B. Kostarev, G. N. Oiks.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved
Chern Metal, No 11, 1960, pp 50-60.

HB 5100

Sci - Mln/Met
Dec 61

175, 019

The Zr/Hf Ratio in the Zircons of Some Igneous
Rocks of the Northern Slope of the Kuramin Mountain
Range, by A. V. Kosterin, E. D. Shevaleevskii, 5 pp.

RUSSIAN, per, Geokhim, No 5, 1960.

GS

Sci

Aug 62

216,233

The possible modes of transport of the rare series by
hydrothermal solutions, by (Kostantir) A. V. 1/7 1961

RUSSIAN, per, Geokhim, No 4, 1969, pp 310-311

Geokhim Soc

Sci
Oct 61

172,539

Zr/Hf Ratio in Zircons in Some Igneous Rocks of
Northern Kirgizia, by A. V. Kosterin, V. N. Zuyev,
I. D. Shevalevskiy, 4 pp.

RUSSIAN, per, Geokhimiya, No 1, 1958, pp 86-89.

Geochemical Society

Sci - Geophys
Dec 58

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143
Glassy Liquid Crystal Films, by I. G. Chistyakov,
E. A. Kosterin,
RUSSIAN, per. Gen. Kristallen, Akad Nauk SSR,
Inst. Kristallogr., Vol IV, 1964, pp 66-71.
ATB NJ-4786

Sci-Phys
Jul 67

329,126

4
The Generosity of the Ugryum River, by S. Kosterin, 5 pp
RUSSIAN, mp, Sovet Rossiya, 12 May 1964, p 4.
JPRS 25662

USSR
Econ, Geog
Aug 64

264,680

Relative Velocities of a Steam-Water Flow in
Vertical Unheated Pipes, by S. Kosterin,
N. I. Semenov, et al.

RUSSIAN, per, Teploenergetika, Vol. VIII, No 1,
1961, pp 58-65.

AEC-NIL-RIS-1957

Sci. - Engr

Apr 63

227,028

102
Experimental Investigation of Heat Exchange
of Flat Plate in Supersonic Rarefied Gas Flow,
by S. I. Kosturin, Yu. A. Noshtikov, 13 pp.
RUSSIAN, per, Iskusstvennyy Zhurnal, Vol 2, No
2, 1962, pp 263-269 P10030267
FTD-MT-67-43

S. I. Kosturin
Sci-Physics
Dec 67

344,430

Heat Exchange in a Turbulent Flow of Air in an
Annular Space Between Rotating, Coaxial Cylinders,
by S. I. Kosterin, U. P. Finatyev, 11 pp.

RUSSIAN, per, Inzh Fiz Zhur, Vol V, No 8, 1962,
pp 3-9.

CIA/FED XK-1641
NO FOREIGN DISSEM

Sci - Engr
Jan 65
USIB Internal Use Only

270,482

Experimental Research of Heat Transfer of a Flat
Plate in a Supersonic Flow of a Rarified Gas, 113
by S. I. Kosterin, et al.

RUSSIAN, per. Inzhenernyy Zhurnal, Vol 2, No 2,
1962, pp 263-268.

*FTI-MT-67-43

S. I. Kosterin

Sci/Physics
Aug 67

NCH-202 363 (p.240-244)

Field 20D, 13G

Kosterin, S. I.; Finatov, Y. P.
CALCULATING THE HYDRAULIC RESISTANCE IN
ANNULAR CHANNELS. Apr 65, 5p, 14refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Inzhenerno-Fizicheski Zhurnal (USSR)
v7 n10 p6-13 1964.
See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

I. American Institute of
Chemical Engineers
New York, N. Y.

54
Structure, Parameters and Interaction
of Supersonic Jets in Contemporary
Vacuum Pumps, by S. I. Kosterin,
M. I. Yushchenkova, 21 pp.
RUSSIAN, per. Teplo- i Massoperechenos,
Obshchiye Voprosy Teploobmena, Vol III,
1967, 0608288
FTU-CT-05-200

S. I. KOSTERIN

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201,540

On the Influence of Resonance of the Supersonic Flow
on the Flow of a Gas in a Nozzle, by
S. I. Zhuravskiy, U.S.S.R.
Moscow, U.S.S.R., Zhurnal Fiz. Mat. Nauk, Vol. VI, No. 2, 1968.
12 p.
CLASSIFIED X-1944

24 - 7/68
May 68
FOR OFFICIAL USE ONLY

287,425

On the Influence of Rarefaction of Supersonic Flow
on the Base Pressure of a Rotating Body, by
S. I. Kosterin, N. T. Balova, 13 pp.

RUSSIAN, per, Izvuzhenno-Fiz. Zhur, Vol VI, No 11,
1953.

JPRS 23013

Sci

Feb 64

149,052

Investigating Flow and Heat Transfer of a
Rarefied Gas in a Flat Supersonic Nozzle, by
S. I. Rostarin, Yu. A. Koshmarov, 11 pp.

RUSSIAN, per, Izheneniye-Pizicheskoy Zhurnal,
No 4, 1962, pp 3-9. 9678832

FTD-TT-62-1279

Sci-Engr
Dec 62

217,638

Hydraulic Resistance of Steam-Water Flow in Vertical
Unheated Pipes, by S. I. Kosterin, V. V. Polyakov,
et al, 7 pp.

RUSSIAN, per, Inzh Fiz Zhur Akad Nauk Beloruss SSR,
Vol V, No 7, 1962, pp 3-10. 9208775

AEC-Tr-5760

Sci - Nucl Sci

232,683

Jul 63

Kosterin, S. I., Yushchenkova, N. I. and others.
AN INVESTIGATION INTO THE EFFECT OF THE
RAREFACTION OF A SUPERSONIC STREAM ON THE
READINGS OF A TOTAL-HEAD PROBE. Apr 63, 5p.
9 refs.

Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 12, p. 16ff.

DESCRIPTORS: Chemical engineering, *Pitot tubes,
Measurement, Pressure, Mach number, Viscosity,
Nozzles, Attenuation, *Supersonic flow.

(Mechanics--Aerodynamics, TT, v. 10, no. 3)

63-17517

- I. Title: Rarefaction
- I. Kosterin, S. I.
- II. Yushchenkova, N. I.
- III. International Chemical
Engineering, New York

Office of Technical Services

Kosterin, S. I., Yushchenkova, N. I. and others.
INVESTIGATION OF THE INFLUENCE OF A RARE-
FIED SUPERSONIC FLOW ON READINGS OF IM-
PACT PRESSURE PROBES. [1963] 11p. 9 refs.
Order from OTS or SLA \$1.60

63-18172

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 12, p. 16-22.

Another trans. is available from ICE in v. 3, no. 2,
\$15.00/year.

DESCRIPTORS: *Pitot tubes, Measurement, Pressure,
Mach number, Viscosity, Nozzles, Attenuation,
*Supersonic flow, Superaerodynamics.

The results of the investigation of the influence of a
supersonic rarefied flow on the value of impact pres-
sure, measured by a thin-walled impact pressure
probe with a small outer angle of taper, for a transi-
(Mechanics--Aerodynamics, TT, v. 10, no. 10) (over)

63-18172

I. Kosterin, S. I.
II. Yushchenkova, N. I.

125447

Office of Technical Services

Methods of Generalizing Experimental Data on
Convective Heat Transfer During the Movement of
Gas in the Initial Region of a Conduit, by
S. I. Kosterin, A. I. Leont'yev, et al. 9 pp.

RUSSIAN, per, Teploenergetika, Vol X, No 5, 1962,
pp 70-72. 9679789

FTD-TT-62-1456

Sci- ~~Eng~~ Phys
Mar 63

224,751

Effect of the Divergence Angle on the Position
of the Shock Wave in a Supersonic Nozzle for
Uncalculated Conditions in the Presence of
Heat Transfer, by S. I. Kosterin, 8 pp.

RUSSIAN, per, Inzhenerno Fiz. Zhur, No 4,
1961, pp 3-9.

ACSI L-0026
ID 2174793

Sci - Engr

20 Mar 62

188, 484

**Electrical Method of Recording Stratification
of a Snow-Water Mixture, by A. E. Martialis,
G. I. Martialis, R. I. Martialis, 1935**

REMARKS: per. Mr. Smith; 0800-0900 hrs. Talked back.

JAN 1965

1957

554-23-50-1742

ADEN: Lit. Trans-590

S. L. Kosteren

Stg 2 - Non Pay and

Black & Cherry

2246

390,955

The Choice of Limiting Temperature in Calculations
of Convective Heat Transfer and Friction in Dynamic
Gas Conditions, by S. I. Kestelin, Y. A. Koshchakov;
5 pp.

RUSSIAN, 1963, Izv. Akad. Nauk, Vol. XII, No. 1, 1963;
pp. 3-9. ~~REF ID: A667221~~

ABC/IRI Info Ser
279 (W)

232,231

302 - 11/73

MAY 63

57
Effect of Pressure Pulsations in a
Flow on Convective Heat Exchange,
by N. I. Kontariz, I. A. Rozhnov, et al.
AS FT.
USSR, per. Fizicheskaya, No 3,
1981, pp 66-72. 9697185
FT-FT-84-1065

21-10-81
JAN 63

282,285

The Turbulent Boundary Layer on a Flat Plate in a
Uniform Stream of a Compressible Fluid. S. I.
Kosterin and Yu. A. Koshmarov, 10 pp. *by*

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 7,
1959, pp 906-915.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 7

Sci

Feb 60

107,315

The Hydraulic Frictional Resistances to the
Flow of a Mixture of Steam and Water in a Straight
Horizontal Tube, by S. I. Kosterin, B. I.
Shaynin. USOL

USOL, per, Teploenergetika, No 6, 1958,
pp 71-76.

DSIR LIU HIB 1062

15a. 0a.

94,825

Sci - Phys
Aug 59

Experimental Values for the Separate Flow of a
Steam-Water Mixture in a Straight Horizontal
Tube, by S. I. Kosterin et al.

RUSSIAN, per, Teploenergetika, No 1, 1956, pp 22-25.

Co-Op Trans Sch Tr 345
£1.12s.

Sci - Engr
Jul 57

49,166

An Electric Method of Recording the Stratification
of the Steam-Water Mixture, by A. K. Katarzhis,
B. I. Kosterin, B. I. Sheinin, 8 pp.

RUSSIAN, per, Iz Ak Nauk Otdel Tekh Nauk, No 2, 1955,
pp 132-136.

ATIC R 15-13-11
Sci Mus Lib - 56/0292

A. E. R. E. Harwell Tr 590

Sci - Chemistry, Electricity 33,773

May 1956

Study of Influence of ² Tube Diameter and Position
Upon Hydraulic Resistance and Flow Structure of Gas-
Liquid Mixtures, by S. I. Kosterin

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1949, pp 1824-1831.

Brutcher Tr 3085

Scientific - Chemistry
CTS/DEX

Price \$7.90

1053

IAC Internal Use Only CIA FDD/XX-215

61-18153

I. Kosterin, S. I.

Kosterin, S. I.
INVESTIGATION OF HYDRAULIC RESISTANCE IN
THE MOVEMENT OF GAS-LIQUID MEDIA IN
HORIZONTAL TUBES. [1961] 12p. 14 refs.
Order from OTS or SLA \$1.60

61-18153

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya, 1943, no. 11/12,
p. 37-49.

DESCRIPTORS: *Boilers, *Heat exchangers, Fluid
flow, Gas flow, Analysis.

In flow of a gas-liquid mixture in horizontal pipes the
friction factor is a variable value depending upon the
concentration of the gaseous phase, the Reynolds
number calculated for the liquid, the diameter of the
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